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cal papers: Some variations in plants, by F. M. ANDREWS; Report of the work in corn pollination (III), by M. L. FISHER; New and notable members of the Indiana flora, by E. J. GRIMES; A monograph of the common Indiana species of *Hypoxylon*, by CHARLES E. OWENS; The improvement of medicinal plants, by F. A. MILLER; Nutrients in green shoots of trees, by E. J. PETRY; The New York apple tree canker, by LEX R. HESLER; Value of fertilizing constituents of weeds of Indiana; analysis of ironweeds, by FRANK MATHERS and Miss GAIL M. STAPP; The prevalence and prevention of stinking smut in Indiana, by C. T. ORTON; Indiana fungi (II), by J. M. VAN HOOK; Diseases of ginseng caused by Sclerotinias, by GEO. A. OSNER; Additions to the flora of the Lower Wabash Valley (by Dr. J. SCHNECK), by CHARLES C. DEAM; Plants new or rare in Indiana, by CHARLES C. DEAM; The unattached aerial forms of plant rusts in North America, by A. G. JOHNSON.—J. M. C.

Sylloge Fungorum.⁸—Volumes XIX and XX of this extended work, bearing the subsidiary title *Index Iconum Fungorum*, contains a bibliographical index to illustrations of fungi, and includes references to works of many of the early as well as the more recent authors. References to illustrations are indicated briefly but clearly; synonyms are introduced frequently and serve as a ready and unmistakable means of cross reference. Volume XIX enumerates alphabetically the genera *Abrothallus* to *Lysurus* inclusive, and Volume XX continues with *Macowanites* to *Zythia*. The species under their respective genera and the bibliographical references thereto are likewise in alphabetical sequence, and the terminology is in accordance with the international rules of botanical nomenclature. The amount of detailed and painstaking labor involved in the achievement of such a task is enormous, but the final result in this case is a valuable work of reference, indispensable to the mycologist and helpful to the general student of botany.—J. M. GREENMAN.

NOTES FOR STUDENTS

Current taxonomic literature.—C. A. DARLING (*Torreyia* 12:155-164, 1912) has issued a "Key to the wild and cultivated trees in autumn." The key is intended for use in the field for the identification of trees occurring in eastern United States.—A. DAVIDSON (*Bull. So. Cal. Acad. Sci.* 11:77, *pl.* 1, 1912) describes and illustrates a new species of *Frasera* (*F. puberulenta*) from California.—B. O. DODGE (*Mycologia* 4:218-222, *pls.* 62, 63, 1912) describes and illustrates a new species of *Ascobolus* (*A. magnificus*) from artificial cultures

⁸ SACCARDO, P. A., *Sylloge Fungorum omnium hucusque cognitorum*. Vols. XIX and XX. *Index Iconum Fungorum* enumerans eorundem figuras omnes hucusque editas ab auctoribus sive antiquis sive recentioribus. Ductu et consilio P. A. SACCARDO. Congessit J. B. TRAVERSO. Roy. 8vo. Vol. XIX, pp. xi+1158; Vol. XX, pp. 1310. Sumptibus P. A. SACCARDO. Typis Seminarii. Patavii, 23 March 1910, and 25 May 1911.